

Appln. No. 09/865,394  
Amendment dated Feb. 05, 2004  
Reply to Office action of Nov. 21, 2003  
Docket No. 6169-200

IBM Docket No.: BOC9-2000-0064

**Amendments to Claims:**

This listing of claims will replace all prior versions and listings of claims in the instant application:

**Listing of Claims:**

- B<sup>4</sup>
1. (Currently Amended) A node exposing method, comprising:
- obtaining from a display map, a reference to a node which is displayable in said display map, said node representing a component in a complex heterogeneous system;
- receiving a data metric from said component;
- converting said data metric into an updated value; and
- providing an said updated value to said display map, said display map updating a display of said node, said updated display of said node reflecting said updated value, wherein said obtaining, said receiving, said converting, and said providing steps are performed within a software agent, wherein said software agent is a platform-independent software object.
2. (Currently Amended) The method according to claim 1, wherein said updated value is used for computing an indicator for representing said node on said display, said method further comprising the step of:
- displaying said computed indication for said node on said display map.
3. (Canceled)

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4. (Currently Amended) A node exposing method, comprising:

providing by request to a plurality of requesting agents, references to displayable nodes, each displayable node representing a component in a content delivery network (CDN);

*B5* each of said receiving agents, receiving at least one data metric from associated ones of  
said components;

each of said receiving agents, computing at least one updated node value responsive to  
receiving said data metrics; and

updating a display map of said displayable nodes with said updated node values received from said requesting agents.

5. (Canceled)

6. (Currently Amended) A node exposing system, comprising:

a display map for displaying a plurality of nodes and representations of reported values for said plurality of nodes;

*B6* a plurality of components distributed across a heterogeneous network; and

a plurality of agents ~~which can~~ configured to acquire references to individual ones of said nodes, said agents obtaining updated values for particular nodes from data metrics obtained from  
associated ones of said components, said agents reporting said updated values to said display map

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7. (Currently Amended) A machine readable storage having stored thereon, a computer program having a plurality of code sections for exposing a node, said code sections executable by a machine for causing the machine to perform the steps of:

obtaining from a display map, a reference to a node which is displayable in said display map, said node representing a component in a complex heterogeneous system; and

receiving a data metric from said component;

converting said data metric into an updated value; and

providing an said updated value to said display map, said display map updating a display of said node, said updated display of said node reflecting said updated value, wherein said obtaining, said receiving, said converting, and said providing steps are performed within a software agent, wherein said software agent is a platform-independent software object.

8. (Currently Amended) The machine readable storage according to claim 7, wherein said updated value is used for computing an indicator for representing said node on said display, said machine readable storage further comprising the step of:

displaying said computed indication for said node on said display map.

9. (Canceled)

10. (Currently Amended) A machine readable storage having stored thereon, a computer program having a plurality of code sections for exposing a node, said code sections executable by a machine for causing the machine to perform the steps of:

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providing by request to a multitude of requesting agents, references to displayable nodes,  
each displayable node representing a component in a content delivery network (CDN);

each of said receiving agents, receiving at least one data metric from associated ones of  
said components;

each of said receiving agents, computing at least one updated node value responsive to  
receiving said data metrics; and

updating a display map of said displayable nodes with said updated node values received  
from said requesting agents.

11. (Canceled)

12. (New) The node exposing method of claim 1, wherein said display map includes a  
plurality of said nodes, and wherein particular ones of said nodes receive updated values  
provided by a plurality of different software agents.

13. (New) The node exposing method of claim 4, wherein a plurality of different receiving  
agents receive at least one data metric from one of said components.

14. (New) The node exposing method of claim 4, wherein for particular ones of said  
receiving agents said at least one data metric comprises a plurality of data metrics, and wherein  
said at least one updated node value comprises a plurality of updated node values, wherein said

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plurality of updated node values for said component are displayed within an associated displayable node within said display map.

15. (New) The system of claim 6, wherein a plurality of said agents receive data metrics from one of said components.

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16. (New) The system of claim 6, wherein a plurality of updated values associated with one of said components are displayed within one of said nodes presented within said display map.

17. (New) The machine readable storage according to claim 7, wherein said display map includes a plurality of said nodes, and wherein particular ones of said nodes receive updated values provided by a plurality of different software agents.

18. (New) The machine readable storage according to claim 10, wherein a plurality of different receiving agents receive at least one data metric from one of said components.

19. (New) The machine readable storage according to claim 10, wherein for particular ones of said receiving agents said at least one data metric comprises a plurality of data metrics, and wherein said at least one updated node value comprises a plurality of updated node values, wherein said plurality of updated node values for said component are displayed within an associated displayable node within said display map.